



Delphi Corporation

Gary Cameron

Director – Forward and Advanced Engineering

Power Electronics

October 11, 2010

Delphi Corporation

Leading Global Supplier Of Mobile Electronics And Transportation Systems

- Over 100,000 Employees in 30 Countries
- 14 Technical Centers
- More than 16,000 Engineers and Scientists
- More than 12,400 Customers (including Aftermarket and Service)





Committed to Innovation Keeping Our Planet Green, Its Occupants Safer and More Connected

MEGATRENDS

People Megatrends

- Natural Growth
- People Live Longer
- Generations X & Y
- Increased Concern about Safety, Security and Privacy
- Health Care 8/5 > 12/6 > 24/7

World Megatrends

- World Turmoil
- Globalization
- Higher Cost of Natural ResourcesIncreasing Environmental Awareness/ Regulations

Technological Megatrends

- Information Explosion
 - Wireless World

MEGATRENDS



◆Safe

 Traffic congestion in major metro areas around the world becomes worse; more accidents; longer commute; higher stress level



Green

- Fast growing economies: more fuel for mobile platforms
- Demand for electrical energy and related conventional resources far exceeds current capabilities



Connected

 Global demand for broadband access will continue to grow



Delphi's Market-Driven Product Lines, Segmented into Five Divisions



Electrical/Electronic Architecture

- Electrical/Electronic Distribution Systems
- Connection Systems



Electronics & Safety

- Electronic Controls
- Infotainment & Driver Interface



Powertrain Systems

- Gasoline Engine Management Systems
- Diesel Engine Management Systems



Electronics and Safety World Headquarters Kokomo, Indiana. USA



Thermal Systems

- Thermal Automotive
- Thermal Residential and Commercial Heat Exchangers



Product & Service Solutions

- Diesel
- Independent Aftermarket
- Original Equipment Service



Delphi Powertrain Technology

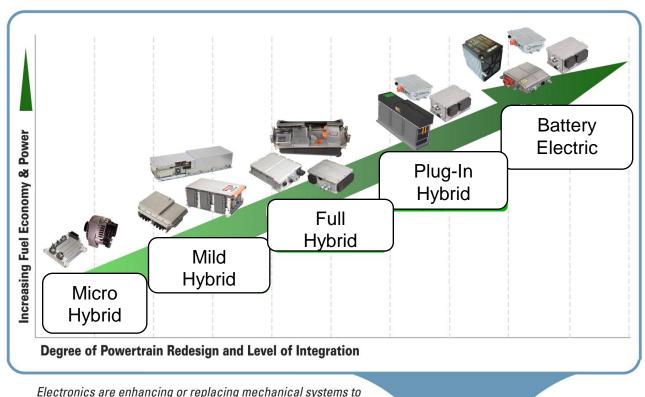
Balancing technological innovation and cost effectiveness without compromising environmental considerations



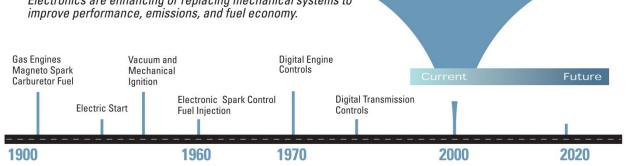
- A global leader in diesel and gasoline engine management systems
- Full line Powertrain management systems product portfolio
- Advanced technologies help manufacturers improve engine performance, enhance fuel economy and reduce emissions
- Flexible engineering approach encourages collaboration and innovation
- Systems expertise contributes to superior product design and high value



Continuing Path of Powertrain Electrification to Improve Performance, Emissions, Fuel Economy



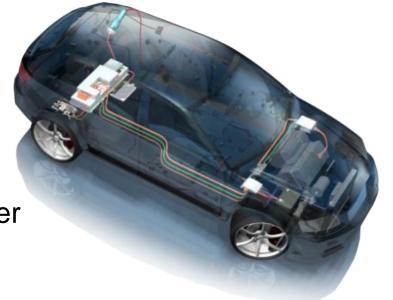
- Delphi has a broad portfolio of electrified Powertrain products
- Electrification is a key technology to help our customers meet improved fuel economy and reduced emissions targets





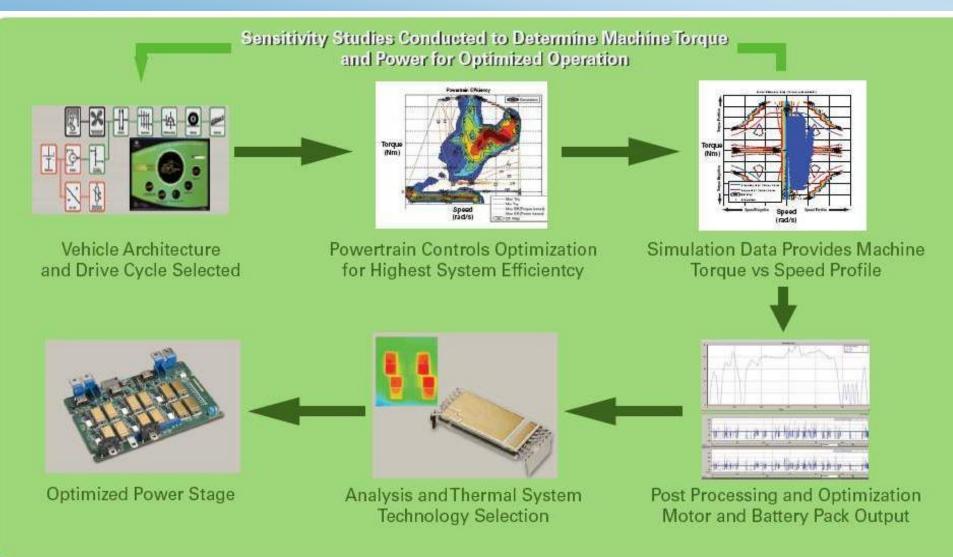
Delphi Power Electronics with more than 20 years of HEV/EV Experience

- Delphi has already established itself as the largest North American supplier of power electronics and battery packs
- ◆ \$89M U.S. Dept. of Energy recipient
- Strategic partnerships and supply agreements in place
 - Chargers
 - Lithium Batteries
 - Power Silicon
 - National Labs & Universities
- Light Duty and Heavy Duty customer base with Global contracts
- We Are Expanding Worldwide



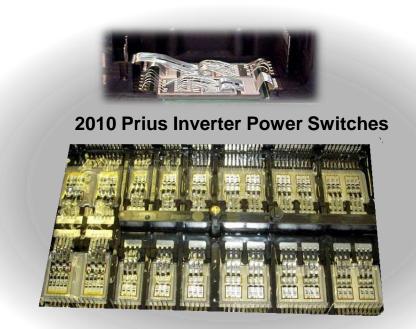


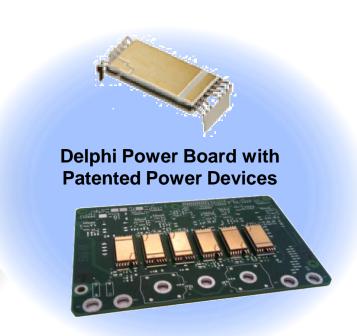
Delphi Brings Electrified Powertrain Systems to Silicon Approach and Capabilities



Delphi Has Revolutionary Inverter Technology

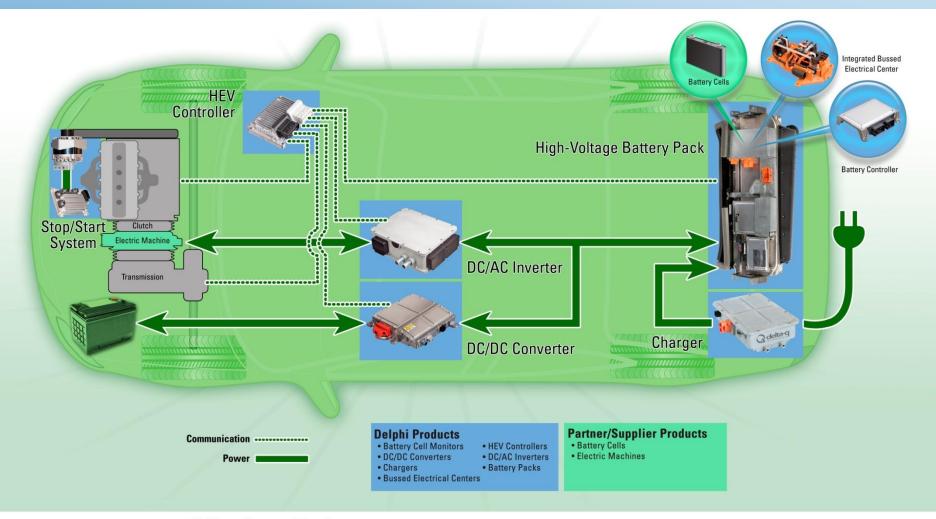
- Delphi patented power semi-conductor power switch packaging.
- More than twice the power and current density for a lower cost, lighter, and smaller Inverter through superior heat transfer
- Increased Reliability by elimination of wire bonds







Delphi Systems Solutions with Partnerships and Critical Component Suppliers



Market Drivers: Performance - Emissions - Fuel Economy



Delphi HEV/EV Product Portfolio

Electronics & Safety

Delphi HEV/EV Products Controllers & System Solutions Power Electronics Energy Storage Algorithm HCU NiMH Battery Pack 14V BAS Micro Hybrid **Battery Charger Battery Controllers DC/AC Inverter Lithium Battery Pack PowerBox Mild Hybrid Motor Controllers DC/DC Converter**

DELPHI

Delphi's Continued Commitment to Innovation

Unleashing the power of innovative solutions in advanced automotive electronics systems to enhance customer competitiveness



Customer focus

- Lean, flexible manufacturing with outstanding quality
- High-value tech centers and manufacturing sites around the world
- Market-driven design and cost
- Flawless execution

Culture of innovation

- Leader in vehicle systems development and integration
- Advanced expertise in silicon, software and systems
- Significant and protected intellectual property
- Extensive collaboration with industry, government and education

Meeting our customers' technology needs

Safe

» Promoting occupant safety through systems development and design

Green

» Providing the latest electrified vehicle technology

Connected

Offering products that provide information, convenience and protection





Innovation for the Real World